Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/24/2019 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124843	-1	3.11	124876	3.09
Blue	F	SSC	125000	124153	-1	4.77	124787	4.78
Blue	E	FITC	16694	16389	-2	4.50	379	22.99
Blue	D	PE	32792	32328	-2	3.88	713	17.12
Blue	B	PerCP-Cy5-5	44451	44181	-1	5.35	1213	23.90
Blue	A	PE-Cy7	33645	34876	3	7.68	614	50.37
Red	C	APC	47008	46408	-2	3.37	1795	13.48
Red	A	APC-Cy7	32298	31842	-2	3.13	794	14.33
Violet	B	V450	8961	8611	-4	5.11	506	14.73
Violet	A	V500	32726	31603	-4	4.79	765	11.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20812	5.97	616	3	N/A	N/A	Pass
Blue	F	SSC	56272	4.34	587	19	N/A	N/A	Pass
Blue	E	FITC	63	69.87	572	9	0.0135	51	Pass
Blue	D	PE	139	60.86	577	11	0.1227	301	Pass
Blue	B	PerCP-Cy5-5	219	58.71	685	14	0.0068	54	Pass
Blue	A	PE-Cy7	120	126.56	742	16	0.0084	28	Pass
Red	C	APC	411	29.39	615	2	0.0195	200	Pass
Red	A	APC-Cy7	196	32.23	586	1	0.0045	1047	Pass
Violet	B	V450	94	55.60	486	0	0.0386	2152	Pass
Violet	A	V500	114	34.64	496	0	0.0188	604	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.55	-32.20	1.07
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	17.19	13.60 - 20.40	N/A	N/A	29.25	29.65	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9518

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments